Errata

Erratum: Spin assignments of angular momentum mismatched resonances in the $^{16}O+^{16}O$ system [Phys. Rev. C 46, 1934 (1992)]

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Several figures were not reproduced correctly. Below we reproduce those figures for clarity.

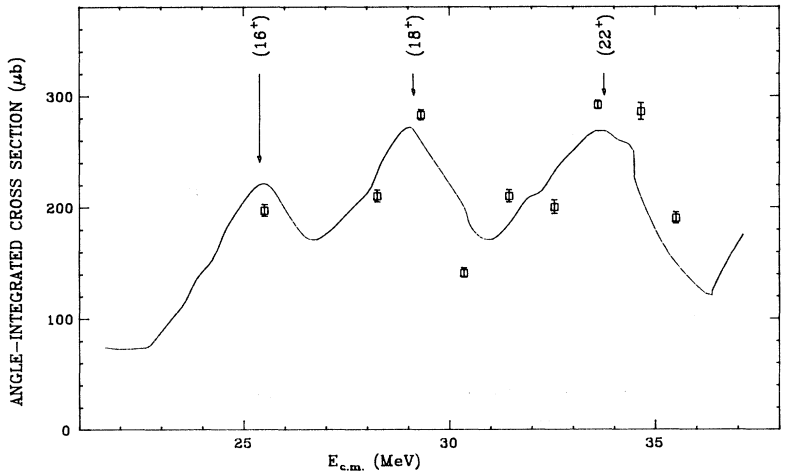

FIG. 1. The cross sections from the present work are plotted individually, while the solid line is a reproduction of the excitation function of Ref. [3]. The cross sections are integrated between 55° and 90° in the c.m. frame. The excitation function of Ref. [3] was energy averaged with a 1.5 MeV square averaging interval in order to display the gross structures more clearly. Also shown are the spin assignments of Ref. [3] for the three resonances.

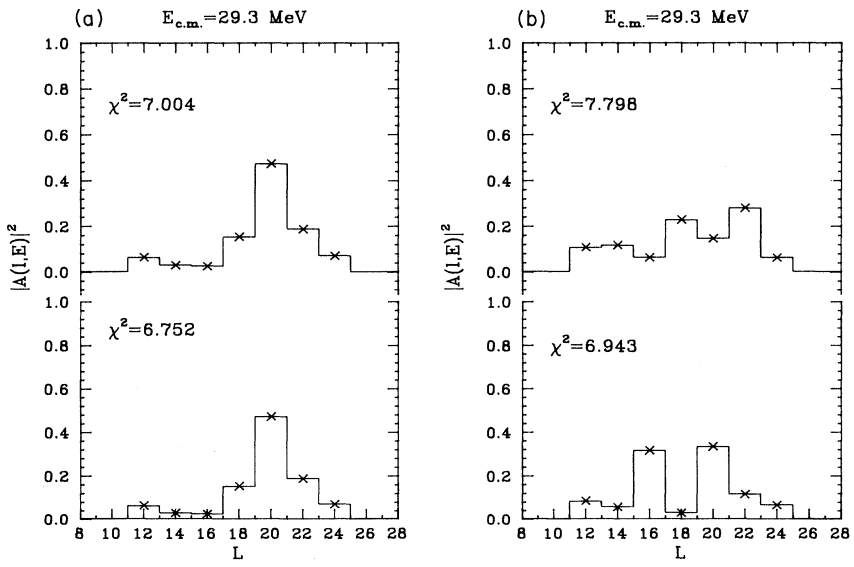

FIG. 4. The squares of the magnitudes of the MINUIT generated coefficients are plotted. The sum of the squares is normalized to 1.0. (a) contains plots which are consistent with a single resonating partial wave accounting for the resonance, (b) shows fits in which the cross section is fragmented over several partial waves, which is not consistent with the picture of a single partial wave dominating the peak. These fits are therefore rejected. The error bars for the coefficients are too small to be visible.

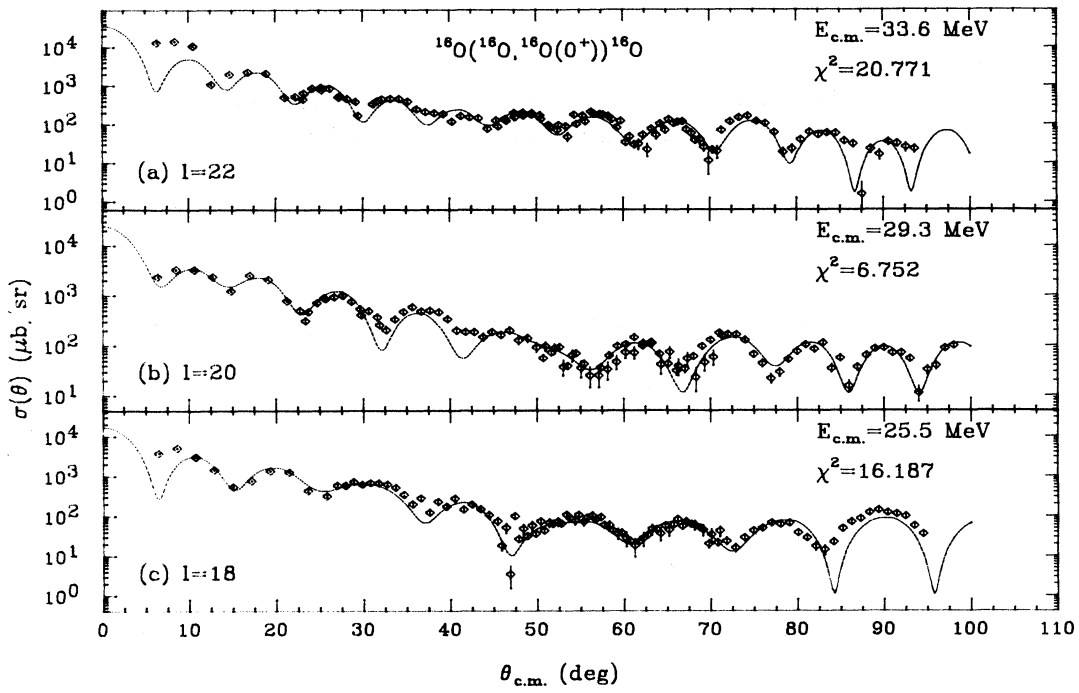

FIG. 5. Fits to the angular distributions of the three resonant energies. Each fit shown has a dominant partial wave with at least 40% of the total cross section. The dominant partial waves are $l=18$, 20, and 22 for $E_{c.m.}=25.6$, 29.3, and 33.6 MeV, respectively.

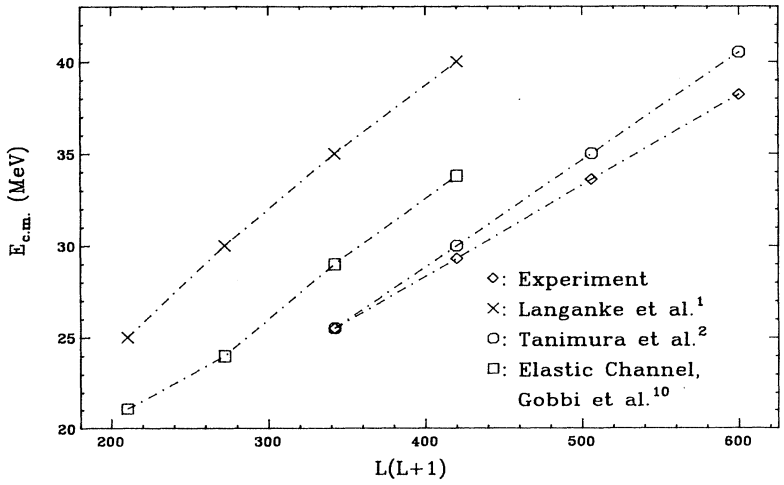

FIG. 6. The spin assignments of the present work yield only one set which is consistent with a rotational sequence. This set is $4\hbar$ larger than the predictions of Ref. [1] and $2\hbar$ larger than the elastic scattering calculations of Ref. [8]. The spins are in qualitative agreement with Ref. [2]. The spin assignment of $l=24$ for $E_{c.m.}=38.2$ MeV from Ref. [3] has been included.